

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE060225AL\
 Data File : FE054115.D
 Signal(s) : FID1B.ch
 Acq On : 02 Jun 2025 10:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File: autoint1.e
 Quant Time: Jun 03 01:16:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.843	3504879	21.567 ug/ml
Spiked Amount 50.000		Recovery =	43.13%
12) S 1-chlorooctadecane (S...	13.288	2538493	21.413 ug/ml
Spiked Amount 50.000		Recovery =	42.83%
Target Compounds			
1) T n-Nonane (C9)	3.187	2477003	18.327 ug/ml
2) T n-Decane (C10)	4.451	2575208	19.057 ug/ml
3) T A~Naphthalene (C11.7)	6.166	2915773	20.289 ug/ml
4) T n-Dodecane (C12)	6.634	2705775	19.836 ug/ml
5) T A~2-methylnaphthalene...	7.268	2924039	21.081 ug/ml
6) T n-Tetradecane (C14)	8.469	2752180	20.394 ug/ml
7) T n-Hexadecane (C16)	10.081	2858314	21.183 ug/ml
8) T n-Octadecane (C18)	11.529	2879654	21.385 ug/ml
10) T n-Eicosane (C20)	12.843	2860762	21.767 ug/ml
11) T n-Heneicosane (C21)	13.456	2830767	21.835 ug/ml
13) T n-Docosane (C22)	14.045	2845979	22.308 ug/ml
14) T n-Tetracosane (C24)	15.149	2844872	22.738 ug/mlm
15) T n-Hexacosane (C26)	16.174	2838511	23.181 ug/ml
16) T n-Octacosane (C28)	17.126	2748021	22.606 ug/ml
17) T n-Tricontane (C30)	18.017	2711703	21.769 ug/ml
18) T n-Dotriacontane (C32)	18.852	2597438	20.770 ug/ml
19) T n-Tetratriacontane (C34)	19.638	2253965	18.922 ug/ml
20) T n-Hexatriacontane (C36)	20.379	1970146	17.015 ug/ml
21) T n-Octatriacontane (C38)	21.110	1741749	16.005 ug/mlm
22) T n-Tetracontane (C40)	22.006	1698003	17.112 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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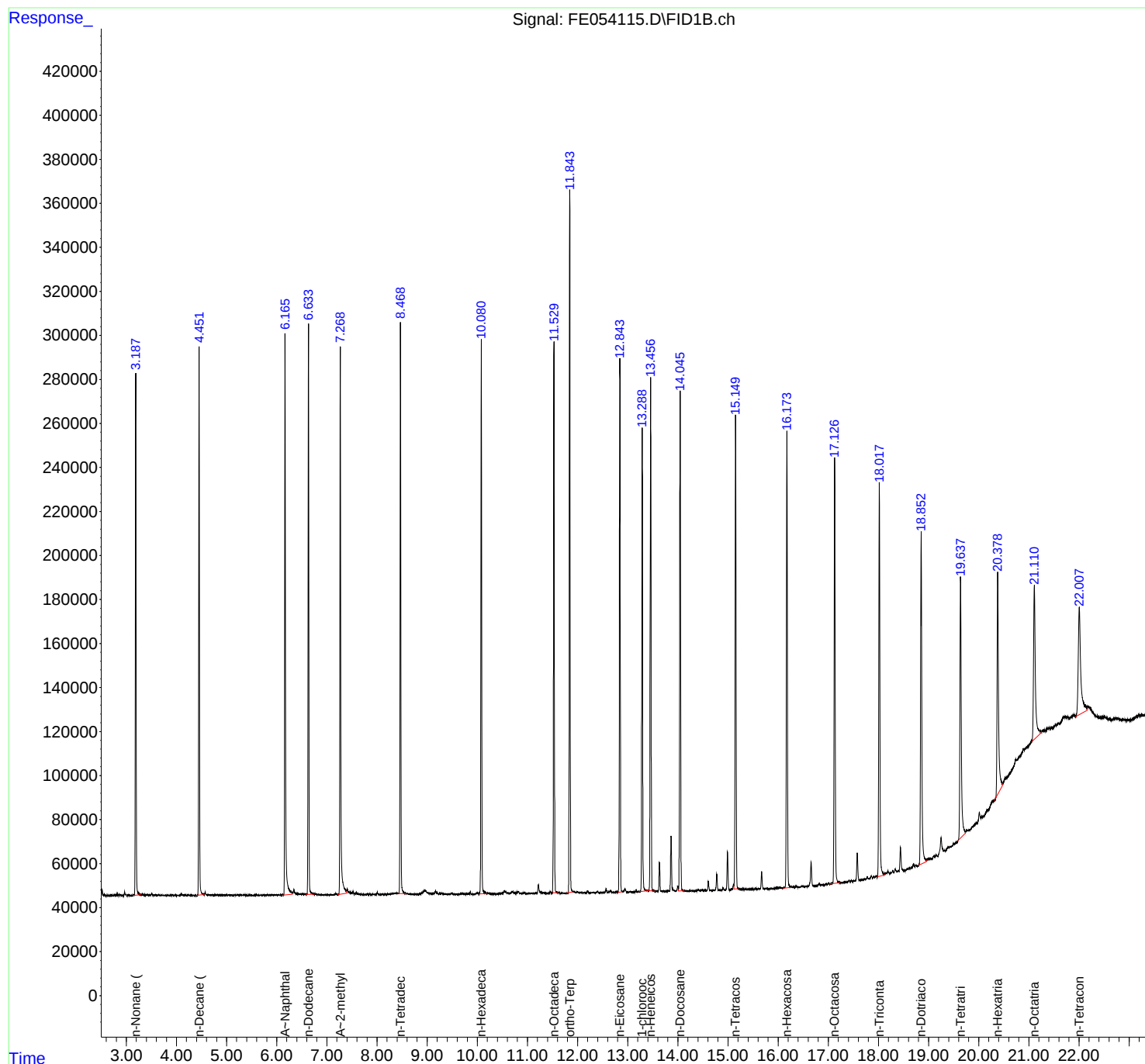
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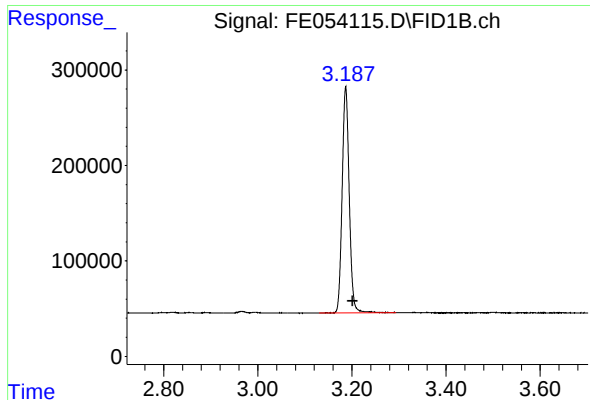
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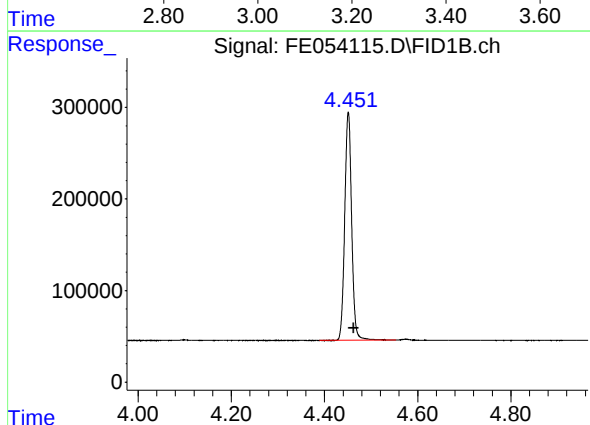
#1 n-Nonane (C9)

R.T.: 3.187 min
Delta R.T.: -0.015 min
Response: 2477003
Conc: 18.33 ug/ml

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20 PPM ALIPHATIC HC STD

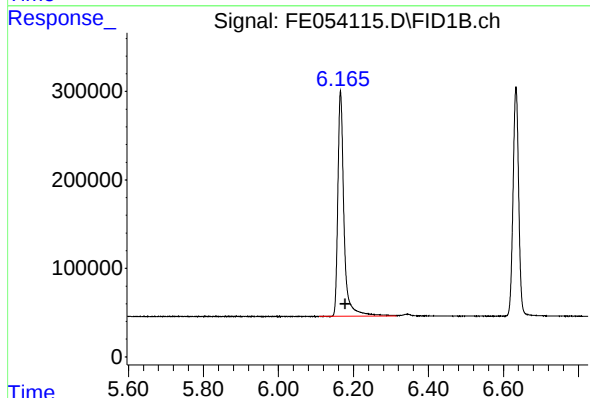
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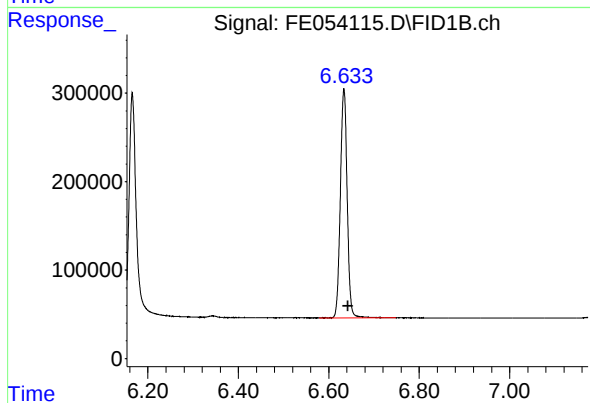
#2 n-Decane (C10)

R.T.: 4.451 min
Delta R.T.: -0.011 min
Response: 2575208
Conc: 19.06 ug/ml



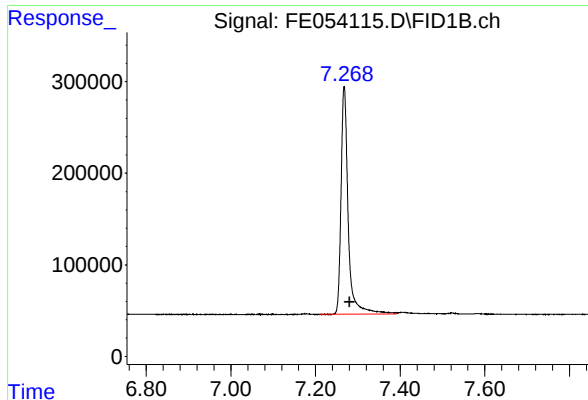
#3 A~Naphthalene (C11.7)

R.T.: 6.166 min
Delta R.T.: -0.012 min
Response: 2915773
Conc: 20.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.634 min
Delta R.T.: -0.009 min
Response: 2705775
Conc: 19.84 ug/ml



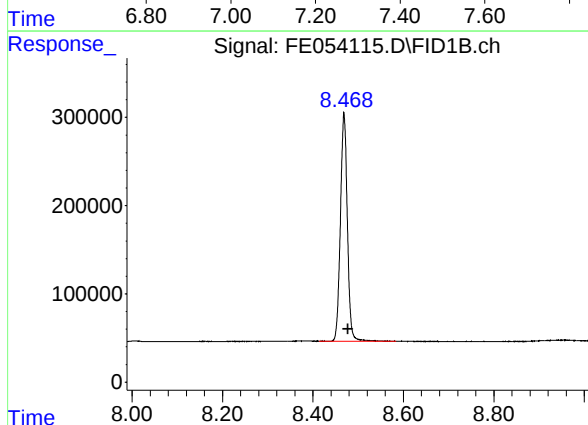
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.268 min
Delta R.T.: -0.012 min
Response: 2924039
Conc: 21.08 ug/ml

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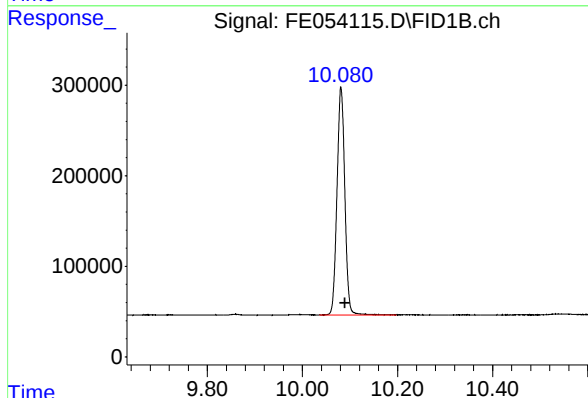
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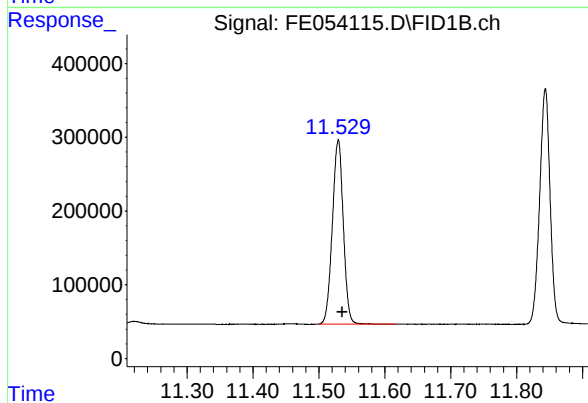
#6 n-Tetradecane (C14)

R.T.: 8.469 min
Delta R.T.: -0.008 min
Response: 2752180
Conc: 20.39 ug/ml



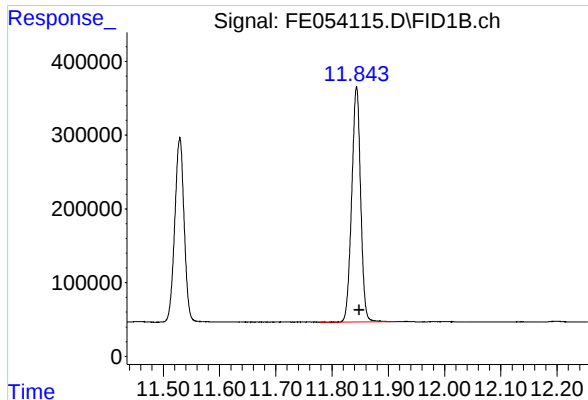
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.008 min
Response: 2858314
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: -0.007 min
Response: 2879654
Conc: 21.38 ug/ml



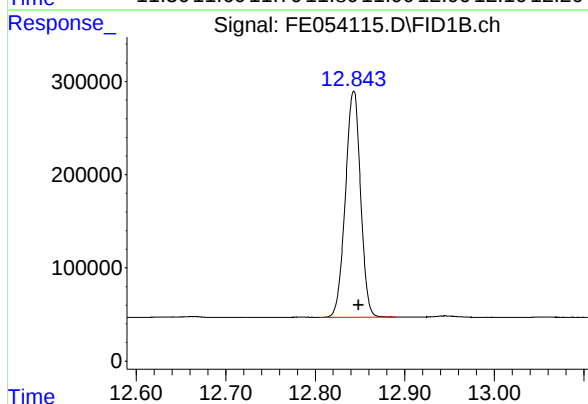
#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.005 min
Response: 3504879
Conc: 21.57 ug/ml

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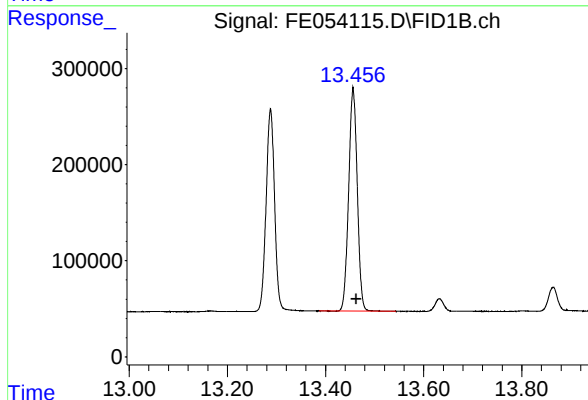
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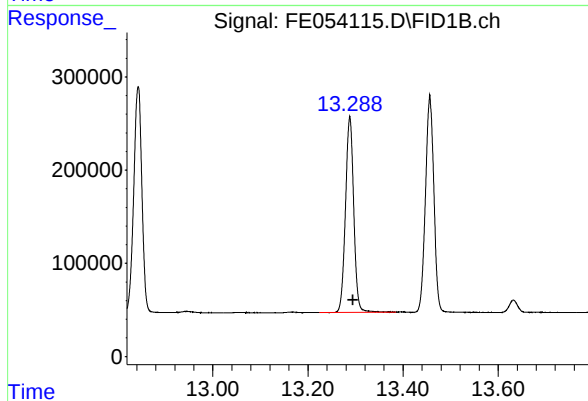
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.006 min
Response: 2860762
Conc: 21.77 ug/ml



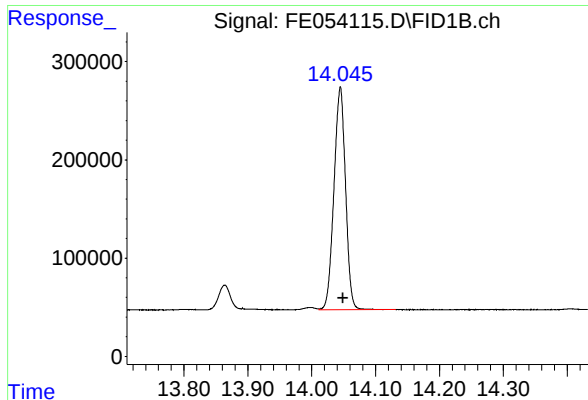
#11 n-Heneicosane (C21)

R.T.: 13.456 min
Delta R.T.: -0.006 min
Response: 2830767
Conc: 21.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.007 min
Response: 2538493
Conc: 21.41 ug/ml



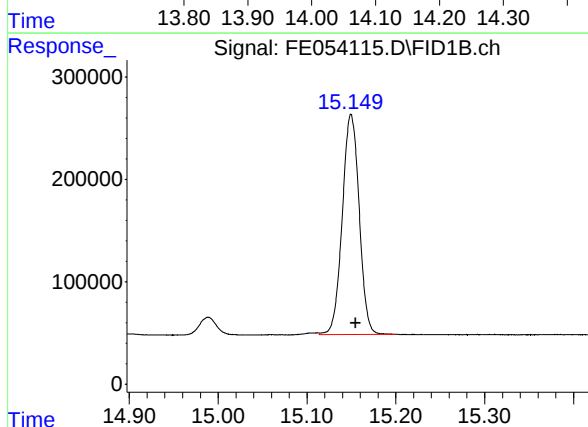
#13 n-Docosane (C22)

R.T.: 14.045 min
Delta R.T.: -0.005 min
Response: 2845979
Conc: 22.31 ug/ml

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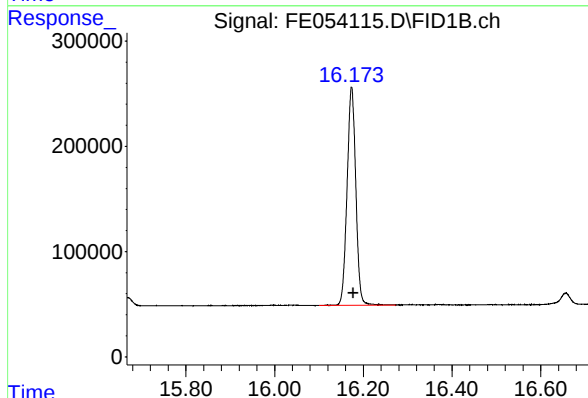
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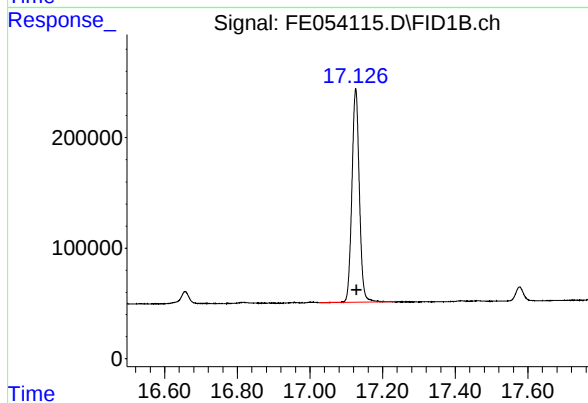
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: -0.006 min
Response: 2844872
Conc: 22.74 ug/ml m



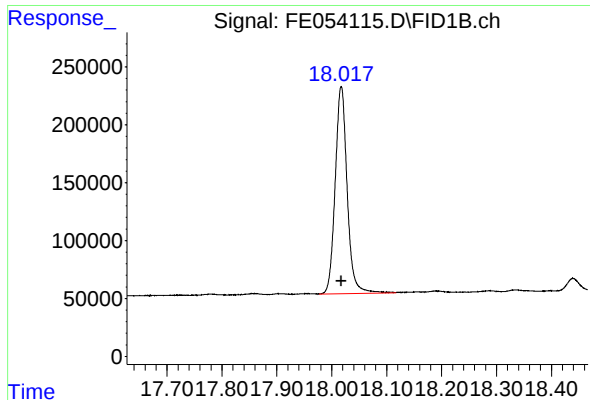
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: -0.004 min
Response: 2838511
Conc: 23.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.126 min
Delta R.T.: -0.003 min
Response: 2748021
Conc: 22.61 ug/ml



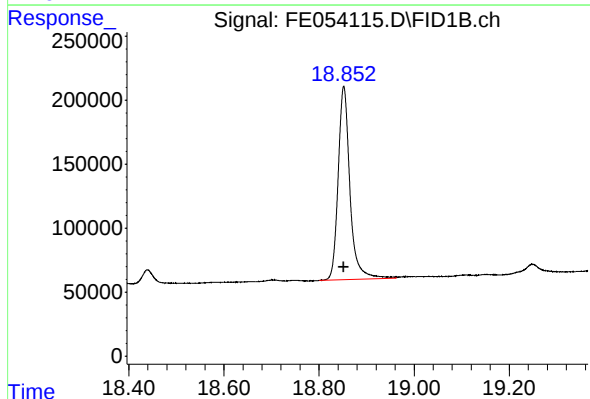
#17 n-Tricontane (C30)

R.T.: 18.017 min
Delta R.T.: 0.000 min
Response: 2711703
Conc: 21.77 ug/ml

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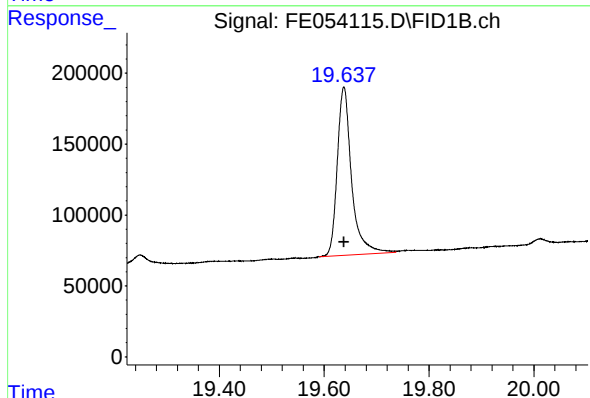
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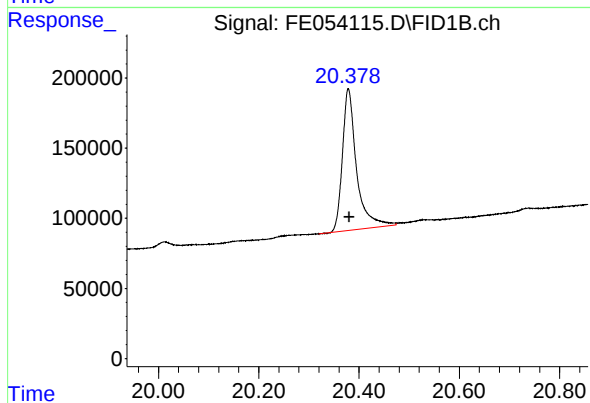
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: 0.000 min
Response: 2597438
Conc: 20.77 ug/ml



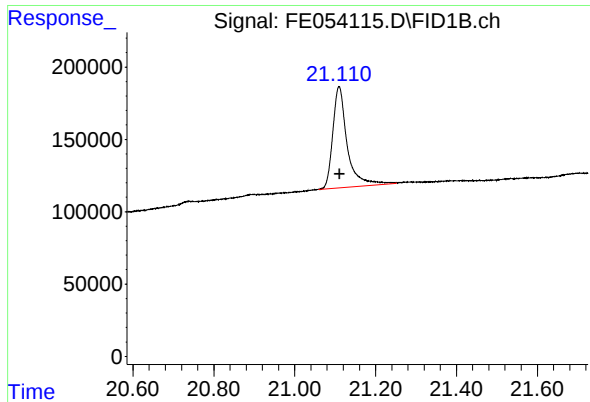
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 2253965
Conc: 18.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.379 min
Delta R.T.: -0.001 min
Response: 1970146
Conc: 17.02 ug/ml



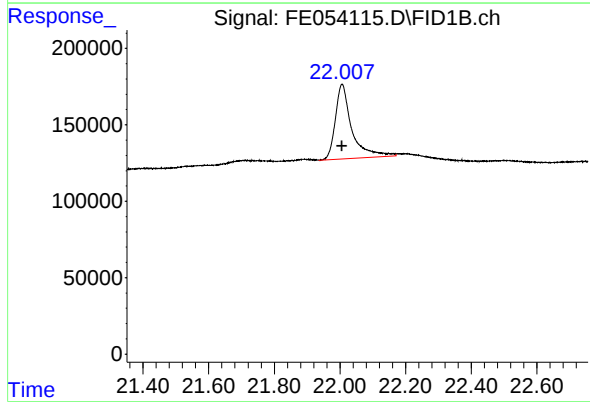
#21 n-Octatriacontane (C38)

R.T.: 21.110 min
Delta R.T.: -0.001 min
Response: 1741749
Conc: 16.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.006 min
Delta R.T.: 0.000 min
Response: 1698003
Conc: 17.11 ug/ml m